

**ABSTRACT OF THE DISCLOSURE**

A low cost user interface display system, like on screen display (OSD), using texture mapping method is presented. The present invention only uses a little texture memory and can generate very fancy user interface display. With the method of texture mapping, even the low cost system can have a colorful, fancy user interface display. A user interface display apparatus using texture-mapping method, comprising a image module, texture patterns, display code-buffer, texture mixer and outline shape index generator to texture-maps the predefined image module in the mixing area with the texture patterns. For some existing OSD devices, the texture-mapping method also can provide a low cost approach to fancy the original OSD display output in the display device. Moreover, changing the texture pattern is very easy to system manufacture, and it can make the user interface looks good and different.

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